BRUHAT BANGALURU MAHANAGARA PALIKE

Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Job code:005-20-000117

							Est Cost in Lakhs		100.00
Sl No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.20 of CSR 2018-19)								
	CC Road Dismantling	Cum							
	Cross Road 1		1	75.00	2.50	0.20	37.50		
	Cross Road 2		1	75.00	2.50	0.20	37.50		
	Cross Road 3		1	75.00	2.50	0.20	37.50		
	Cross Road 4		1	30.00	2.50	0.20	15.00		
	Cross Road 5		1	40.00	2.50	0.20	20.00		
	Cross Road 6		1	28.00	1.50	0.20	8.40		
	Cross Road 7		1	27.00	1.50	0.20	8.10		
	Cross Road 8		1	60.00	4.50	0.20	54.00		
	Cross Road 9		1	50.00	2.00	0.20	20.00		
	Main Road CH 0-70		1	70.00	5.00	0.20	70.00		
	Main Road CH 70-90		1	20.00	3.20	0.20	12.80		
	Septic Tank								
			1	5.00	5.00	0.20	5.00		
			1	6.00	7.50	0.20	9.00		
			1	8.00	8.00	0.20	12.80		
							347.60	501.38	174279.69
	Basic rate	390.00							
	Loading and unloading with 10km lead= 57+2.0x1.3x10 = 83.00	83.00							
	Area Weightage 6%	28.38							
	Total	501.38							
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW P&IWTD S.R 2018-19)								
	Road Portion	Cum							
	New CC Road								
	Cross Road 1		1	75.00	2.50	0.30	56.25		
	Cross Road 2		1	75.00	2.50	0.30	56.25		
	Cross Road 3		1	75.00	2.50	0.30	56.25		
	Cross Road 4		1	30.00	2.50	0.30	22.50		
	Cross Road 5		1	40.00	2.50	0.30	30.00		
	Cross Road 6		1	28.00	1.50	0.30	12.60		
	Cross Road 7		1	27.00	1.50	0.30	12.15		
	Cross Road 8		1	60.00	4.50	0.30	81.00		
	Cross Road 9		1	50.00	2.00	0.30	30.00		
	Cross Road A		1	30.00	1.50	0.30	13.50		
	Cross Road B		1	30.00	1.50	0.30	13.50		
	Cross Road C		1	30.00	1.50	0.30	13.50		
	Main Road CH 0-70		1	70.00	5.00	0.30	105.00		
	Main Road CH 70-90		1	20.00	3.20	0.30	19.20		
	New RCC Drain								
	Main Road		1	190.00	1.10	1.20	250.80		
	New RCC Culverts		5	12.00	1.40	1.30	109.20		

				5	9.00	1.40	1.30	81.90		
								963.60	128.30	123629.88
	Basic rate		41.00							
	Loading and unloading with 10km lead= 57+2.0x1.28x9 = 80.04		80.04							
	Area Weightage 6%		7.26							
	Total		128.30							
3	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per pecifications.**(P.No. 7, I.No. 2.3 of CSR 2018-19)**									
	Sanitary work		Cum							
	Cross Road 1			1	75.00	1.00	1.60	120.00		
	Cross Road 2			1	75.00	1.00	1.60	120.00		
	Cross Road 3			1	75.00	1.00	1.60	120.00		
	Cross Road 4			1	30.00	1.00	1.60	48.00		
	Cross Road 5			1	40.00	1.00	1.60	64.00		
	Cross Road 6			1	28.00	1.00	1.60	44.80		
	Cross Road 7			1	27.00	1.00	1.60	43.20		
	Cross Road 8			1	60.00	1.00	1.60	96.00		
	Cross Road 9			1	50.00	1.00	1.60	80.00		
	Main Road CH 0-70			1	70.00	1.00	1.60	112.00		
	Main Road CH 70-90			1	20.00	1.00	1.60	32.00		
	Overburden Earth			1	95.80	0.60	0.30	17.24		
								897.24	404.50	362931.61
	Basic rate		299.00							
	Loading and unloading with 10km lead= 57+2.0x1.28x10 = 82.60		82.60							
	Area Weightage 6%		22.90							
	Total		404.50							
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.13, I.No.4.2 of PW, P&IWTD SR 2018-19)									
	PCC-Bed		Sqm							
	New RCC Drain									
	Main Road			1	190.00	1.10	0.15	31.35		
	New RCC Culverts			5	12.00	1.40	0.20	16.80		
				5	9.00	1.40	0.20	12.60		
								60.75	5505.64	334467.63
	Basic rate		5194.00							
	Area Weightage 6%		311.64							
	Total		5505.64							
5	Providing laying plain/ reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specification 15cm wall and bottom thickness (P.No.275, I.No.37.59.2 of PW, P&IWTD SR 2018-19)									

	New RCC Drain	Cum							
	Raft Concrete								
	Main Road		1	190.00	0.90	0.15	25.65		
	Wall Concrete								
	Main Road		2	190.00	0.15	0.90	51.30		
							76.95	7070.20	544051.89
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	7070.20							
6	34.17 Providing and laying in position plain/Reinforced cement cement concrete M20 for sub structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour, HOM curing etc., complete. (P.No.257, I.No.34.17 of PW, P&IWTD SR 2018-19)								
	New RCC Culverts	Cum							
	Raft Concrete								
			5	12.00	1.20	0.20	14.40		
			5	9.00	1.20	0.20	10.80		
	Wall Concrete								
			10	12.00	0.20	0.90	21.60		
			10	9.00	0.20	0.90	16.20		
							63.00	5277.74	332497.62
	Basic rate	4979.00							
	Area Weightage 6%	298.74							
	Total	5277.74							
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.1 (P.No.16, I.No.4.28 of PW,P&IWTD SR 2018-19)								
	New RCC Culverts	Sqm							
	Raft Concrete								
			10	12.00		0.20	24.00		
			10	9.00		0.20	18.00		
							42.00	273.48	11486.16
	Basic rate	258.00							
	Area Weightage 6%	15.48							
	Total	273.48							
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.16, I.No.4.31 of PW,P&IWTD SR 2018-19)								
	New RCC Culverts	Sqm							
	Wall Concrete								
			20	12.00		0.90	216.00		
			20	9.00		0.90	162.00		
							378.00	379.48	143443.44
	Basic rate	358.00							
	Area Weightage 6%	21.48							
	Total	379.48							
9	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200.TMT Bars Fe 500 (P.No.18, I.No.4.46.2 of PW, P&IWTD SR 2018-19)								
	TMT Steel	Tonne							

	Consider 65Kgs/cum for Drain				76.95	0.065	--	5.01		
	Consider 85Kgs/cum for Culverts				63.00	0.085	--	5.36		
								10.37	75223.96	780072.47
	Basic rate	70966.00								
	Area Weightage 6%	4257.96								
	Total	75223.96								
10	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
	100mm Precast Slab	Sqm								
	Main Road			1	190.00	0.90		171.00		
								171.00	2337.00	399627.00
	Data Rate	2337.00								
11	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
	250mm PRE-CAST Slab	Sqm								
	New RCC Culverts		5	12.00	1.20		72.00			
			5	9.00	1.20		54.00			
							126.00	5418.00	682668.00	
	Data Rate	5418.00								
	Sanitary work									
12	KSRB12-2 : Providing and laying in position plain cement concrete M7.5 using 40mm and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, for internal diameter stoneware pipes including cost of materials, labour charges, HOM curing complete as per specifications Specification No. KBS 4.1 / 4.2(I.No. 11.15 of CSR 2018-19)-300mm Dia Pipe P.72									
	Sanitary work	M								
	Cross Road 1		1	75.00			75.00			
	Cross Road 2		1	75.00			75.00			
	Cross Road 3		1	75.00			75.00			
	Cross Road 4		1	30.00			30.00			
	Cross Road 5		1	40.00			40.00			
	Cross Road 6		1	28.00			28.00			
	Cross Road 7		1	27.00			27.00			
	Cross Road 8		1	60.00			60.00			
	Cross Road 9		1	50.00			50.00			
	Main Road CH 0-70		1	70.00			70.00			
	Main Road CH 70-90		1	20.00			20.00			
							550.00	615.86	338723.00	
	Basic rate	581.00								
	Area Weightage 6%	34.86								
	Final Rate	615.86								
13	KSRB 12-1 : Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7-(I.No. 11.6 of CSR 2018-19)300mm Dia Pipe									
	Sanitary work	M								
	Cross Road 1		1	75.00			75.00			
	Cross Road 2		1	75.00			75.00			
	Cross Road 3		1	75.00			75.00			
	Cross Road 4		1	30.00			30.00			

	Cross Road 5			1	40.00			40.00		
	Cross Road 6			1	28.00			28.00		
	Cross Road 7			1	27.00			27.00		
	Cross Road 8			1	60.00			60.00		
	Cross Road 9			1	50.00			50.00		
	Main Road CH 0-70			1	70.00			70.00		
	Main Road CH 70-90			1	20.00			20.00		
								550.00	668.86	367873.00
	Basic rate		631.00							
	Area Weightage 6%		37.86							
	Final Rate		668.86							
24	KSRB 12-5 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with ement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4 (I.No. 11.39 of CSR 2018-19)-1.22m Diamanhole and 1.68m Depth									
	1.22m Dia with 1.68m Depth		No's							
	MANHOLES			21.00				21.00		
								21.00	31077.08	652618.68
	Basic rate		29318.00							
	Area Weightage 6%		1759.08							
	Final Rate		31077.08							
25	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. **(P.No.6, I.No.2.11 of PW,P&IWTD SR 2018-19)**									
	Refilling of Trench		Cum							
	I No	3						897.24		
	Deduction of Pipe Volume		0.7855	-1.00	75.00	0.30	0.30	-5.30		
	Sand							-165.00		
	GSB							-11.25		
								715.69	106.00	75863.34
	Basic rate		100.00							
	Area Weightage 6%		6.00							
	Final Rate		106.00							
	KSRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to moist requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305. (P.No.147, I.No.19.60 of PW,P&IWTD SR 2018-19)									
	Murrum Filling		Cum							

Septic Tank									
			1	5.00	5.00	3.50	87.50		
			1	6.00	7.50	3.50	157.50		
			1	8.00	8.00	3.40	217.60		
Drain Bed Rising									
			1	70.00	4.00	1.00	280.00		
Trench Filling									
Cross Road 1			1	75.00	1.00	0.30	22.50		
Cross Road 2			1	75.00	1.00	0.30	22.50		
Cross Road 3			1	75.00	1.00	0.30	22.50		
Cross Road 4			1	30.00	1.00	0.30	9.00		
Cross Road 5			1	40.00	1.00	0.30	12.00		
Cross Road 6			1	28.00	1.00	0.30	8.40		
Cross Road 7			1	27.00	1.00	0.30	8.10		
Cross Road 8			1	60.00	1.00	0.30	18.00		
Cross Road 9			1	50.00	1.00	0.30	15.00		
Main Road CH 0-70			1	70.00	1.00	0.30	21.00		
Main Road CH 70-90			1	20.00	1.00	0.30	6.00		
							907.60	344.50	**312668.20**
Basic rate		**325.00**							
Area Weightage 6%		**19.50**							
Final Rate		**344.50**							
BSR 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. EBS 2.10.2. (P.No.7, I.No.2.13 of PW,P&IWTD SR 2018-19)									
Trench Filling		Cum							
Cross Road 1			1	75.00	1.00	0.30	22.50		
Cross Road 2			1	75.00	1.00	0.30	22.50		
Cross Road 3			1	75.00	1.00	0.30	22.50		
Cross Road 4			1	30.00	1.00	0.30	9.00		
Cross Road 5			1	40.00	1.00	0.30	12.00		
Cross Road 6			1	28.00	1.00	0.30	8.40		
Cross Road 7			1	27.00	1.00	0.30	8.10		
Cross Road 8			1	60.00	1.00	0.30	18.00		
Cross Road 9			1	50.00	1.00	0.30	15.00		
Main Road CH 0-70			1	70.00	1.00	0.30	21.00		
Main Road CH 70-90			1	20.00	1.00	0.30	6.00		
							165.00	2183.60	**360294.00**
Basic rate		**2060.00**							
Area Weightage 6%		**123.60**							
Final Rate		**2183.60**							
Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.. (P.No.153, I.No.20.6 of PW,P&IWTD SR 2018-19)									
Trench Filling		Cum							
Cross Road 1			1	75.00	1.00	0.15	11.25		
Cross Road 2			1	75.00	1.00	0.15	11.25		
Cross Road 3			1	75.00	1.00	0.15	11.25		
Cross Road 4			1	30.00	1.00	0.15	4.50		
Cross Road 5			1	40.00	1.00	0.15	6.00		
Cross Road 6			1	28.00	1.00	0.15	4.20		
Cross Road 7			1	27.00	1.00	0.15	4.05		
Cross Road 8			1	60.00	1.00	0.15	9.00		
Cross Road 9			1	50.00	1.00	0.15	7.50		
Main Road CH 0-70			1	70.00	1.00	0.15	10.50		

[illegible] CH 70-90		1	20.00	1.00	0.15	3.00		
						82.50	1855.00	153037.50
[illegible] rate	1750.00							
[illegible] Weightage 6%	105.00							
Final Rate	1855.00							
[illegible] 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet [illegible] specification including premixing the Material with water at OMC in mechaniqal [illegible] plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in [illegible] base course on well prepared surface and compacting with vibratory roller to achieve [illegible] density.complete as per specifications. MORTH Specification No. 406 (P.No.155, [illegible] of PW,P&IWTD SR 2018-19)								
New CC Road Full Width	Cum							
[illegible] Road 1		1	75.00	1.00	0.20	15.00		
[illegible] Road 2		1	75.00	1.00	0.20	15.00		
[illegible] Road 3		1	75.00	1.00	0.20	15.00		
[illegible] Road 4		1	30.00	1.00	0.20	6.00		
[illegible] Road 5		1	40.00	1.00	0.20	8.00		
[illegible] Road 6		1	28.00	1.00	0.20	5.60		
[illegible] Road 7		1	27.00	1.00	0.20	5.40		
[illegible] Road 8		1	60.00	1.00	0.20	12.00		
[illegible] Road 9		1	50.00	1.00	0.20	10.00		
[illegible] Road CH 0-70		1	70.00	1.00	0.20	14.00		
[illegible] Road CH 70-90		1	20.00	1.00	0.20	4.00		
						110.00	2001.28	220140.80
[illegible] rate	1888.00							
[illegible] Weightage 6%	113.28							
Final Rate	2001.28							
[illegible] 36600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement [illegible] with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine [illegible] @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate [illegible] to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after [illegible] to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum [illegible] content to be determined during trial length construction, concrete strength not to be [illegible] than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a [illegible] with 8-10 tonnes vibratory roller, finishing and curing complete as per [illegible]. MORTH V Revision Specification No. 601, IS 456 Table-5. with OPC at 150 [illegible] and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant [illegible] capacity with Slip.((P.No.174, I.No.22.1.1 of PW,P&IWTD SR 2018-19)								
New CC Road Full Width	Cum							
[illegible] Road 1		1	75.00	2.50	0.15	28.13		
[illegible] Road 2		1	75.00	2.50	0.15	28.13		
[illegible] Road 3		1	75.00	2.50	0.15	28.13		
[illegible] Road 4		1	30.00	2.50	0.15	11.25		
[illegible] Road 5		1	40.00	2.50	0.15	15.00		
[illegible] Road 6		1	28.00	1.50	0.15	6.30		
[illegible] Road 7		1	27.00	1.50	0.15	6.08		
[illegible] Road 8		1	60.00	4.50	0.15	40.50		
[illegible] Road 9		1	50.00	2.00	0.15	15.00		
[illegible] Road A		1	30.00	1.50	0.15	6.75		
[illegible] Road B		1	30.00	1.50	0.15	6.75		
[illegible] Road C		1	30.00	1.50	0.15	6.75		
[illegible] Road CH 0-70		1	70.00	5.00	0.15	52.50		
[illegible] Road CH 70-90		1	20.00	3.20	0.15	9.60		

						260.85	3800.10	991256.09
Basic rate	3585.00							
Area Weightage 6%	215.10							
Total	3800.10							
Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum.Course and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts confirming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications -with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.((P.No.176, I.No.22.6.1 of PW,P&IWTD SR 2018-19)								
New CC Road	Cum							
Cross Road 1		1	75.00	2.50	0.15	28.13		
Cross Road 2		1	75.00	2.50	0.15	28.13		
Cross Road 3		1	75.00	2.50	0.15	28.13		
Cross Road 4		1	30.00	2.50	0.15	11.25		
Cross Road 5		1	40.00	2.50	0.15	15.00		
Cross Road 6		1	28.00	1.50	0.15	6.30		
Cross Road 7		1	27.00	1.50	0.15	6.08		
Cross Road 8		1	60.00	4.50	0.15	40.50		
Cross Road 9		1	50.00	2.00	0.15	15.00		
Cross Road A		1	30.00	1.50	0.15	6.75		

Cross Road C		1	20.00	1.50	0.15	4.50		
[illegible]n Road CH 0-70		1	70.00	5.00	0.15	52.50		
Main Road CH 70-90		1	20.00	3.20	0.15	9.60		
						254.10	**5210.96**	**1324104.94**
Basic rate	4916.00							
Area Weightage 6%	294.96							
Total	**5210.96**							
Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P.No 176, I.No.22.7 of PW,P&IWTD [illegible]								
[illegible]	Sum							
[illegible]		1	75.00	2.50		187.50		
[illegible]		1	75.00	2.50		187.50		
[illegible]		1	75.00	2.50		187.50		
[illegible]		1	30.00	2.50		75.00		
[illegible]		1	40.00	2.50		100.00		
[illegible]		1	28.00	1.50		42.00		
[illegible]		1	27.00	1.50		40.50		
[illegible]		1	60.00	4.50		270.00		
[illegible]		1	50.00	2.00		100.00		
[illegible]		1	20.00	1.50		30.00		
[illegible]		1	20.00	1.50		30.00		
[illegible]		1	20.00	1.50		30.00		
[illegible]		1	70.00	5.00		350.00		
[illegible]		1	20.00	3.20		64.00		
						1694.00	**72.08**	**122103.52**
[illegible]	68.00							
[illegible]	4.08							
[illegible]	72.08							

Total Construction Cost-A	**8846257.46**
12% GST on KPWD 2018-19 items-B=Ax12%	**1061550.90**
Total Construction Cost Including GST Charges-C=A+B	**9907808.36**
Add 1% for PMC including GST Charges-D=Ax1%	**88463.00**
Sub Total-E=C+D	**9996271.36**
Miscellaneous and rounding off-F	**3728.64**
Total G=E+F	**10000000.00**

Certificate.

1. The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.
2. The provisions made in the estimate are necessary and essential.
3. The worksite was inspected and work is found to be necessary.
4. The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Technical Sanction Accorded For Rs 10crore only Head of A/c 8115-78 CEK/NO :23 Dt:01.06.2020

TA CE (YNK)

Assistant Executive Engineer

Executive Engineer 26/5/2020